INSTRUCTIONS FOR INSTALLATION AND USE

SCAN DSA 4
Fireplace Insert

SAVE THESE INSTRUCTIONS.

Listed By O-T-L Portland Oregon USA
C US
OMNI-Test Laboratories, Inc.

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For future reference, please record the serial number of your fireplace insert here. The serial number is stamped into the approval label on the side of the fireplace cabinet.

Also, note the build date, month and year punched at the bottom of the label.

SN: _____ Month: _____ Year: _____

Dealer: _____

Congratulations on your new SCAN DSA wood burning fireplace. We are confident that you will enjoy using your new SCAN DSA fireplace, however it is important that you follow the instructions and advice contained in this manual.

For future reference, please take a moment to record the serial number of your fireplace insert on page 2.

In the SCAN DSA 4 firebox you will find a Miscellaneous Hardware kit containing the following items:

- 1, Self-adhesive Flue Collar Gasket
- 6, Steel S-clips for Surround Panel attachment
- 4, Steel pins for smoke baffle assembly
- 1, Fireplace Conversion label

The firebox also contains a flue collar adaptor with mounting hardware and an Upper and Lower Smoke Baffle.

The SCAN DSA fireplaces have been tested by OMNI-Test Laboratories, Inc. of Portland, Oregon, and are listed by OMNI to UL 1482, ULC S628 and is EPA certified.

Please: read the entire manual before installing or operating your new fireplace.

1. IMPORTANT SAFETY NOTICE

The SCAN DSA wood-burning fireplace insert is a closed fireplace.

Protection against a fire hazard is of primary importance when installing a wood-burning fireplace. If utilizing an older chimney, it must be inspected for adequate serviceability. Refer to the heading: Chimney Installation (page 12).

Minimum listed clearances to combustible surfaces and materials must be maintained, including; furniture, drapery, clothing, wood, papers, etc.

1.1 Prevent Creosote Fires:

Both the chimney and chimney connector should be inspected for creosote deposits at least twice monthly during the heating season. Remove all buildups as necessary. This fireplace is approved for burning dry seasoned natural wood only. Using green or inadequately seasoned wood can greatly increase creosote buildup and result in inefficient combustion.

1.2 Prevent Over-firing:

Do not over-fire! Over-firing the fireplace can cause a house fire. If the fireplace glows, you are over-firing. Damage caused from over-firing is not covered by the manufacturer's limited warranty.

2. CAUTIONS

IF THIS FIREPLACE IS NOT PROPERLY INSTALLED, A HOUSE FIRE MAY RESLUT. FOR YOUR SAFETY FOLLOW THESE INSTALLATION INSTRUCTIONS. CONTACT YOUR LOCAL BUILDING DEPARTMENT ABOUT RESTRICTIONS AND INSTALLATIONS INSPECTION IN YOUR AREA.

KEEP START DEVICE CLOSED DURING FIRING OF THIS FIREPLACE, START DEVICE MAY BE OPENED FOR A MAXIMUM OF 5 MINUTES DURING FIRE STARTUP. DO NOT OPERATE THE FIREPLACE WITH THE DOOR OPEN.

NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR “FRESHEN UP” A FIRE IN THIS FIREPLACE KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE FIREPLACE WHILE IT IS IN USE.

DO NOT BURN GARBAGE OR FLAMMABLE FLUIDS SUCH AS GASOLINE, NAPHTHA OR ENGINE OIL.

THIS FIREPLACE IS HOT WHILE IN OPERATION, DO NOT TOUCH, AND KEEP CHILDREN AWAY. CONTACT MAY CAUSE SKIN BURNS. USE GLOVES WHEN STOKING THE FIRE.

DO NOT CONNECT THIS FIREPLACE TO A CHIMNEY FLUE CONNECTED TO ANOTHER FIREPLACE, STOVE OR APPLIANCE.

DO NOT CONNECT TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.

DO NOT INSTALL IN A MOBILE HOME.

BE SURE TO ALLOW AN ADEQUATE SOURCE OF FRESH AIR INTO THE ROOM WHERE THE FIREPLACE IS OPERATING (SEE ROOM VENTILATION PAGE 6 AND COMBUSTION AIR SUPPLY PAGE 12).

DO NOT OPERATE THE FIREPLACE WITHOUT THE FIREBOX BAFFLE CASSETTE PROPERLY INSTALLED.

BUILD FIRES DIRECTLY UPON THE HEARTH INSIDE THE FIREPLACE. DO NOT USE GRATES, IRONS OR ANY OTHER METHOD TO ELEVATE THE FIRE.

THE SCAN DSA 4 FIREPLACE INSERT IS ONLY FOR FIREPLACE INSTALLATION.

3. INTRODUCTION / INSTRUCTIONS FOR USE

3.1 About the SCAN DSA 4 fireplace

SCAN DSA 4:

CAUTION: Do not operate the fireplace with the start device open or ajar, as this will produce extreme temperatures within the fireplace (over-firing), which could result in a house fire. Damage caused by over firing is not covered by the manufacturers limited warranty

3.2 Smoke Baffle Installation:

Install the Upper and Lower Smoke Baffles after the chimney connection has been made.

1. Insert the four pins found in the Miscellaneous Hardware Kit into the holes in the firebox side panels.
2. Install the larger Upper Baffle so that the slots in its underside engage with the upper pair of pins. The forward edge will rest on the pre-installed threaded pins in the door opening.
3. Rest the rear edge of the smaller Lower Baffle on the lip of the air channel at the back of the firebox. Engage the pins with the slots in the underside of the baffle.

3.3 Glass:

The glass is a heat resistance ceramic glass that can withstand continuous temperatures up to 1390°F (754°C). This temperature is well beyond the temperatures in which you operate your insert.

This fireplace is designed to provide a flow of air over the inside of the glass. This air, combined with high temperatures, helps keep the glass clean when the combustion air intake is fully opened. When operating the insert on low for extended periods of time, the glass may become dirty. A short, hot fire will help clean off much of the normal buildup (see Section 8: Troubleshooting). In order to keep the glass soot free, the moisture content of the wood must be between 15 and 18%.

3.4 Smoke Detectors:

Since there are always several potential sources of fire in any home, we recommend installing smoke detectors. Do not install them too close to the fireplace as heat can activate them.

3.5 Room Ventilation:

During the combustion, oxygen taken from the room air is used. In rare cases it may be necessary to mount a fresh-air duct near the fireplace.

3.6 Firebricks and Skamol liners panels:

Small cracks may appear in the firebricks and Skamol liners, especially if the fireplace is overheated during the first firing. These cracks do not influence the functionality of the insert and are not covered by the limited warranty.

3.7 Ceramic gasket:

The SCAN DSA 4 fireplace is equipped with ceramic gasket to ensure the door and glass are tightly sealed. This ceramic gasket is a wearing part and must be renewed from time to time. Please consult your authorized dealer for replacement parts.

FIREPLACE INSTALLATION MUST BE SAFE AND LEGAL!

SAFETY NOTICE:

IF YOUR DSA FIREPLACE IS NOT PROPERLY INSTALLED, OPERATED AND MAINTAINED, A HOUSE FIRE MAY RESULT. FOR YOUR SAFETY, FOLLOW ALL INSTALLATION AND MAINTENANCE DIRECTIONS. CONTACT LOCAL BUILDING OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION REQUIREMENTS IN YOUR AREA.

3.8 Pre-installation Check List:

Before you begin an installation, review your plans, check to see:

1. Your fireplace and chimney connector will be far enough from combustible material to meet all clearance requirements.
2. The floor protection is adequate and is constructed properly to meet all requirements.
3. You have all necessary permits from local authorities. Your local building official is the final authority for approving your installation as safe and determining that it meets local and state codes.

The metal label permanently attached to the left side of fireplace shroud indicates that the DSA 4 has been tested to current UL and ULC standards, and gives the name of the testing laboratory. Clearance and installation information is also printed on the label. Local authorities will generally accept the label as evidence that, when the fireplace is installed according to the information on the label and in this manual, the installation meets codes and can be approved.

Codes vary in different areas. Before starting the installation, review your plans with the local building authority. Your local dealer can provide any additional information needed.

For any unresolved questions about installation in the USA, refer to the national Fire Protection Association's publication ANSI/NFPA 211-1996 *Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances.* For installation in Canada, refer to CSA CAN-B365, *Installation Code for Solid Fuel Burning Applications and Equipment*. These standards are the basis for many national codes. They are nationally recognized and are accepted by most local authorities. Your local dealer or your local building official may have a copy of these regulations.

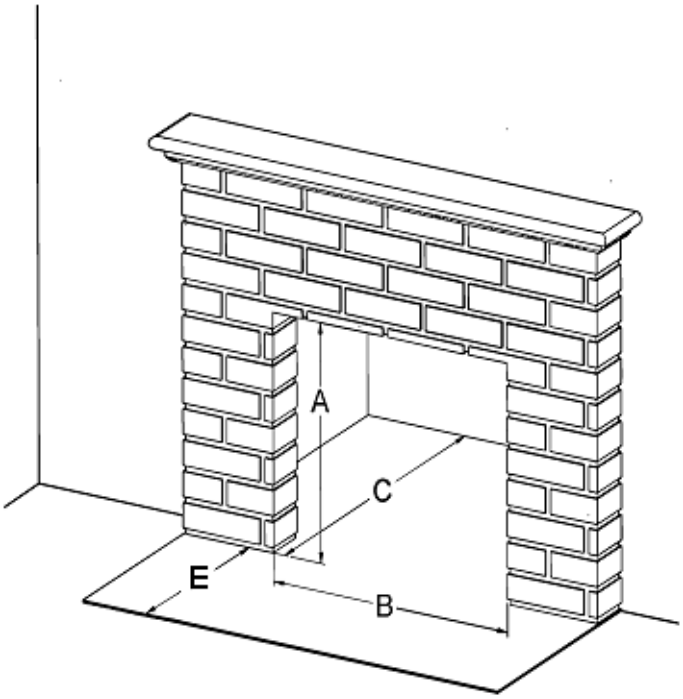
4. INSTALLATION (Qualified technicians only)

The Scan DSA 4 is approved for installation into a masonry fireplace that conforms to the requirements of the **Standard of Chimneys, Fireplaces, Vents and Solid Fuel Burning appliances, N.F.P.A. 211** (Latest Edition) or applicable National, Provincial, State or local codes. In Canada, the installation must conform to **CAN/CSA-B365, Installation Code for Solid-Fuel-Burning Appliances and Equipment**.

In the U.S. only, the Scan DSA 4 is approved for installation into a factory-built, zero-clearance fireplace and chimney listed to **UL 127**.

WARNING: Check all local building and safety codes before the installation. The installation instructions and appropriate code requirements must be followed exactly and without compromise. Alterations to the fireplace are not allowed. Do not connect the fireplace to a chimney system serving another fireplace or stove, appliance or any air distribution duct. Please read this entire manual before you install and use your new room heater. Failure to follow instructions may result in property damage, bodily injury, or even death, and will void the manufacturers warranty.
The fireplace must be connected to factory built UL 103HT chimney in USA only or a code approved masonry chimney with a flue liner.
If you plan to vent your fireplace into an existing masonry chimney, have it inspected by a local fire marshal or qualified installer. Remember that the chimney and its location on the roof heavily influence a fireplace's performance. An oversized flue may not provide effective draw, and a flue liner may be required. (See: draft requirements). Consult your dealer or qualified installer before final selection is made.

4.1 Fireplace size requirements



Valid for USA:

Minimum Fireplace Size
Masonry
Fireplace

A: 21 1/4" / 540 mm
B: 24" / 610 mm
C: 15 3/4"/ 400 mm
E: See page 8

A = Height
B = Width
C = Depth
E = Hearth Protection Depth

NOTE: Allow extra room for installation, especially above the insert when using a direct or positive connection.

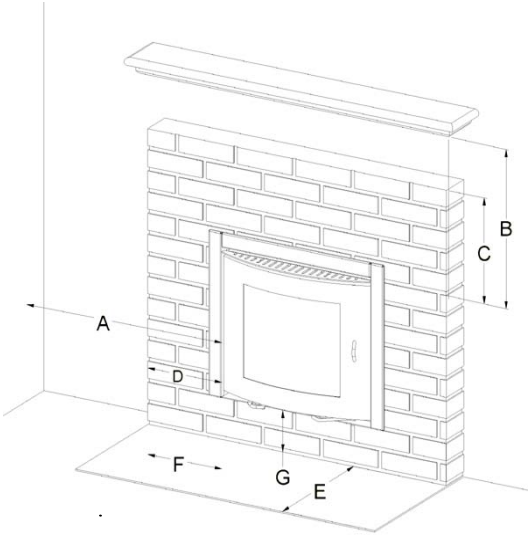
4.2 Fireplace placement requirements

The fireplace must be placed so that no combustible materials are within, or can swing within (e.g. drapes ,doors), 36" (915 mm) of the front of the fireplace. The minimum clearances, facing, and hearth requirements in the illustration below must bet met.

4.3 Minimum Clearances:

Masonry fireplace:

A = Sidewall to insert
B = Mantel to insert with a non-combustible mantel shield
C = Top facing
D = Side facing
E = Hearth
F = Hearth to side of floor protection
G =Floor protection to fireplace bottom



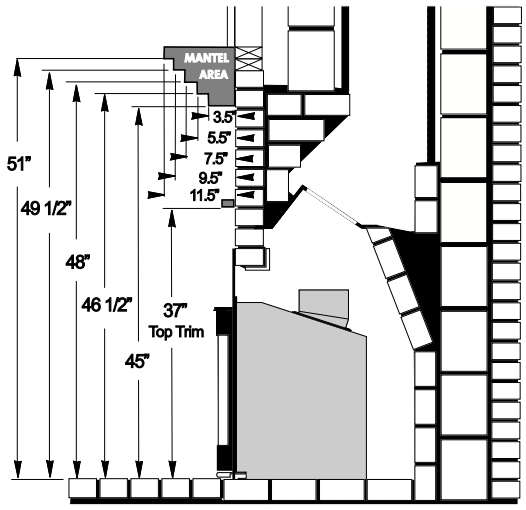
WARNING: Minimum clearances to combustibles must be observed when installing this fireplace. The listed clearances are determined in laboratory tests.

For USA	G	A	B	C	D	E	F
G	0 to 3.4"	12	18	11	4	24"	8
G	3.5 to 6.9"	12	18	11	4	24"	8
G	Above 7"	12	18	11	4	16"	8

For the Canada	G	A	B	C	D	E	F
G	0 to 88	305	455	280	100	610*	200
G	89 to 177	305	455	280	100	610*	200
G	Above 178	305	455	280	100	455*	200

*See 4.3.1 Hearth and floor protection requirements for further guidelines.
*For Canada this does not include the distance the insert protrudes out over the hearth: 3" / 75 mm.

4.3.1 Mantel Clearances



4.3.2 Hearth and floor protection requirements:

- When the bottom of the fireplace is installed less than 3 1/2" (88 mm) to the floor, the floor requires thermal protection of 3/4 inch (19 mm) thick mineral fiber millboard with a value of k=1.12 BTU/IN FT² HR °F. The protection must extend forward 24 inches (610 mm) and 8 inches (203 mm) to each side of the door opening.

- When the bottom of the fireplace is installed less than 7" (177 mm) but more than 3 1/2" (89 mm) from the floor, the floor thermal protection only needs to be 1/2 inch (12.5 mm) thick k=1.68 BTU/IN FT² HR °F. The protection must extend forward 24 inches (610 mm) and 8 inches (203 mm) to each side of the door opening.

- When the bottom of the fireplace is installed 7" (178 mm) or greater from the floor, the floor only needs to be covered with non-combustible material, minimum 3/8 inch (10 mm) thick extending forward 16 inches (455 mm) and 8 inches (203 mm) to each side of the door opening in the U.S. (In Canada: 18 inches / 407 mm).

To substitute alternate insulation material, you need to know the "k" factor for that material, and calculate the required thickness for the alternate material; use the following formula:

"K"/ 0.84 *(specified thickness)

Example: "K" value of brick = 5

5/084*0.75 = 4.464 inch ⇨ 4.5 inches of brick is required to meet the requirement.

5/084*0.50 = 2.976 inch ⇨ 3 inches of brick is required to meet the requirement.

4.4 Masonry Fireplace Requirements

- The chimney must have a clay tile liner or a stainless steel liner (positive connection).
- Entire fireplace, including chimney, must be clean and undamaged. Any damage must be repaired prior to installation of the fireplace.
- Chimney height: 15' minimum; 28' maximum.
- The entire fireplace, including chimney, must meet local building requirements.
- Do not remove bricks or mortar from the existing fireplace
- The existing fireplace damper must be removed or locked in the open position.
- Any opening between the masonry of the fireplace and the facing masonry must be permanently sealed.
- **CANADA REQUIREMENT:** The fireplace insert must be installed with a continuous liner of 6" diameter extending from the fireplace insert to the top of the chimney. The chimney liner must conform to the class 3 requirements of CAN/ULC S365 standard for Lining for Systems for Existing Masonry of Factory –Built Chimneys and Vents, or CAN/ULC s640, Standard for Lining systems for New Masonry Chimneys

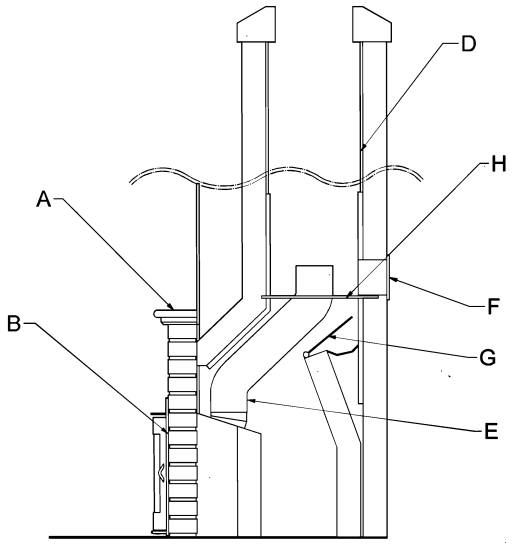
4.5 Draft Performance

This appliance relies upon natural draft to operate. External forces such as wind, barometric pressure, topography, or factors of the home (negative pressure from exhaust fans, chimneys, air infiltration, etc.), may adversely affect draft. Consult your local Scan dealer for advice and suggestions to help alleviate environmental issues specific to your installation that may be cause less than optimal performance.

4.6 Fireplace with Direct Connection (Masonry Fireplace- US ONLY)

Note: Direct connections require installation of an airtight block-off plate or damper adapter

NOTE: This installation may be used with a masonry fireplace. This illustration depicts a masonry insert. All requirements in the section "Masonry Fireplace Requirements" must be fulfilled prior to installation.



A = Combustible mantle
B = Surround panels
C = See the section "Insert Placement Requirements" for minimum clearances and hearth required.
D = Flue liner must be tile lined.
E = Stainless steel chimney connector must extend 1 foot (305 mm) past the block-off plate into the first flue tile.
F = Airtight insulated clean-out
G = Remove damper or wire it open
H = Block-off plate or damper adapter

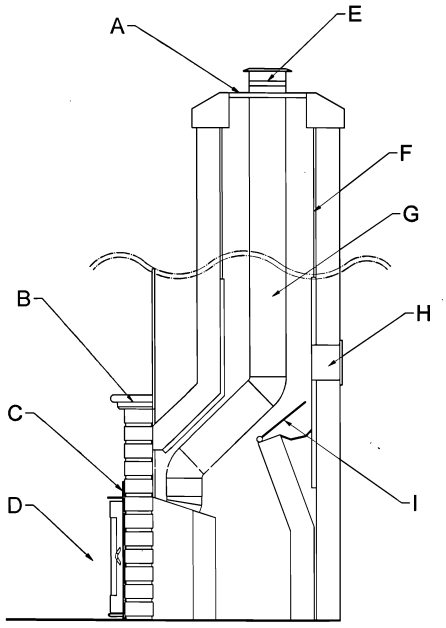
4.7 Factory-built, Zero –clearance Fireplace (U.S. ONLY)

The Scan DSA 4 may be installed into a factory-built, prefabricated fireplace in the U.S. only.
The factory-built • replace and its chimney must be listed per UL 127.

Warning: Under no circumstances is this heater to be installed in a makeshift or "temporary" manner.

Note: Most factory-built chimney manufacturers offer stainless steel chimney liners, either flexible or rigid. Installation must conform to the manufacturer's instructions.

NOTE: The fully-lined chimney shown below may be used with a factory built or masonry fireplace. All requirements in the section "Masonry Fireplace Requirements" must be fulfilled prior to installation.



A = Install a non-combustible cover plate to vent water from entering the chimney.
B = Combustible mantle
C = Surround panels
D = See the section "Insert Placement Requirements" for minimum clearances and hearth requirement.
E = Cap (prevents water from entering)
F = Flue liner
G = The liner must be stainless steel connector or flexible vent. Follow the liner manufacturer's instructions for installation and support.
H = Airtight insulated clean-out
I = Remove damper or wire it open.

4.7 Surround Panel Installation (see part numbers below)

Surround panel size is determined by the type of installation and the size of the fireplace opening. Direct and positive connections do not require insulation or panels that overlap the fireplace opening (panels that overlap the fireplace opening are usually more attractive). Any questions on selection of the surround panels should be directed towards your dealer. The table below details the size of the surround panels when installed.

Surround Panel Size	Overall Dimensions	BLACK	GRAY
I" Surround (4-Sided)	25 3/4" x 22 3/4"	157080	157081
4" Surround (4-Sided)	31 1/2" x 22 3/4"	157082	157083
9" Surround (3-Sided)	42" x 29"	157084	157085
11" Surround (3-Sided)	46" x 32"	157086	157087

The surround panels can be installed both before and after the fireplace has been placed depending on the installation conditions.

Surround Panel Installation

Use the S-clips and provided with the Surround Panels. Both types of fasteners engage the surround to corresponding slots and holes in the fireplace cabinet.

4.8 Combustion Air Supply:

Provide for an adequate supply of air for combustion. Proper ventilation is essential when using a solid fuel-burning appliance. The combustion process uses oxygen from inside the dwelling. If there is inadequate make-up air, (such as in newer homes which are well-insulated and weather tight), it may be difficult to obtain an adequate draft in your chimney. To correct this, it may be necessary to crack a window on the windward side of the dwelling, or provide combustion air to a nearby floor/wall vent (fresh air duct).

4.9 Draft Requirements:

The SCAN DSA fireplace is only one component of the total system. The venting system is equally important for achieving the required flow of combustion air to the fire chamber and for safely exhausting unburned combustion by-products. If the venting system's design does not promote these ends, the system may not function properly. Poorly-functioning vent systems may create performance problems as well as be a safety hazard (i.e. an oversized chimney may result in less than optimum performance. Installations into a large, masonry chimney may require a liner to improve performance). A draft test should read greater than .04" W.C. (Inches Water Column) and less than .08" W.C Minimum chimney height is 15 feet. The table below presents specifications to meet draft requirements for the SCAN DSA fireplace under normal operation conditions.

	With Closed Doors			
	Douglas Fir Lumber 18% Moisture Content			
Fireplace	**Flue Collar Ø mm/inch**	**Chimney draft Pa/W.C.**	**Efficiency in %**	**BTU**
SCAN DSA 4	150 mm / 6 inch	18 Pa. / 0.06 W.C.	63%	10,500 – 27,900

The chimney draft will vary depending upon weather conditions. If the chimney draft is over-strong, reduce the combustion air supply as appropriate.

4.10 Chimney Installation:

There are two types of chimneys suitable for the SCAN DSA 4.

1. A code- approved masonry chimney with a flue liner.
2. A prefabricated chimney complying with the requirements for Type HT (2100°F) chimneys per UL 103 or ULC S629.

The chimney size should not be less than the cross-sectional area of the flue collar, and not more than three times greater than the

5. OPERATION

WARNING:
DO NOT USE GASOLINE, LIGHTER FLUID, KEROSENE OR OTHER FLAMMABLE LIQUIDS TO START OR FRESHEN A FIRE IN THIS INSERT. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE FIREPLACE WHILE IT IS IN USE.

5.1 Break-in Fires:

It is normal to smell some fumes during the first couple of fires as the paint cures and manufacturing residues burn off. During this short period, you may wish to open a window or otherwise provide fresh air to the immediate vicinity of the fireplace to alleviate the condition.

5.2 Fueling the fireplace:

Your SCAN DSA wood-burning fireplace is designed for burning dry, natural, well-seasoned wood only. Ask your authorized SCAN dealer where to obtain seasoned fuel in your area. Wood should be stored in a dry, well-ventilated area for at least one year before being used for fuel. Some trees have very high moisture content and it is necessary to thoroughly dry the wood. Cutting and splitting the wood will speed the drying process. Stack the wood with both ends of each stick exposed. More drying occurs through the end than through the sides, even when the wood is split. We recommend that the moisture content of the wood be between 12-18%.
Green or uncured wood does not burn efficiently, and can cause increased creosote buildup. The heat value of green wood is very low as most of the energy is lost to evaporating water content. Do not overload, or use kindling wood, or mill ends for primary fuel as this may cause over-firing.

Although feeding excessive amounts of fuel to the insert should be avoided, it is important to supply it with sufficient fuel to maintain a moderately hot fire (this is particularly important since burning wood produces volatile substances).

Burning materials other than natural, dry, well-seasoned wood may shorten the life of your insert and possibly lead to a dangerous over-firing condition. Do not burn garbage, particleboard scraps or pressed logs using bonding agents because they can produce conditions which will deteriorate metal.

5.3 Starting a Fire:

Do not elevate the fire. Build fire directly on the bottom of the firebox.

To start a fire, pull the Start-up Air valve fully open (small handle to the left of the door handle). Use crumpled paper and enough kindling wood to establish a small brisk-burning fire. Add several larger pieces of wood on top of the burning kindling and allow enough time for the fire to become fully involved. Add a full load of fuel and close and latch the fuel door. After five minutes, close the Start-up Air valve (push in), and adjust the air intake control to the desired position.

CAUTION:

RISK OF EXCESSIVE TEMPERATURES. THE MAXIMUM TIME THE START DEVICE CAN BE OPEN DURING STARTUP IS FIVE MINUTES! KEEP START DEVICE CLOSED DURING NORMAL OPERATION. DO NOT OPERATE THE DSA 4 FIREPLACE WITH THE DOOR OPEN.

5.4 Refueling:

To refuel the fireplace, first move the air intake control to full open, and let the fire "liven-up" for a minute or two. Open the fuel door slightly and hold in this position until the fireplace is drafting well. Then, fully open the fuel door and add wood. If the fire, or coal bed, is almost depleted, and a full load of wood is added, it may be necessary to leave the air intake control wide open to reestablish a lively fire. The use of start up air should only be used for a short period of time. **Note:** After refueling, when the wood is burning at a brisk rate, reset the air intake control to the desired position by moving the air intake control handle all the way to closed and then back to the desired setting.

6. MAINTENANCE

6.1 Ash Disposal and Removal:

CAUTION: Be sure the fire is out and stove is cold before removing ashes!

Be careful when you empty the fireplace for ashes. There may be embers left as long as 24 hours after the stove was last used. Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground well away from all combustible materials, pending final disposal.

If ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

6.2 Cleaning of fireplace:

The fireplace may be cleaned with a moist cloth. Satin Black and Gray touch-up paint is available from your local Scan dealer for repair of blemishes or scratches. As there may be minor color differences, it is recommended to repair large areas with natural borders. You will get the best result if the fireplace is painted while it is lukewarm (if the fireplace is too hot, the paint will be granular). Provide plenty of air circulation during painting.

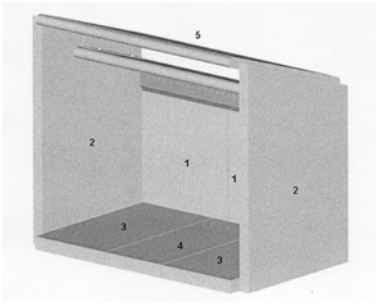
Black painted surfaces that turn gray are symptoms of over-firing.

6.3 Removing Baffle Cassette for Cleaning:

Be sure that the fire is out and the fireplace is cold before removing the baffle cassette.

The placement of firebricks, skamol liners and smoke baffles of your SCAN DSA fireplace is illustrated below. Removal of all firebricks, skamol liners and the baffle cassette should follow in the reverse numeric order (e.g. follow step 5 to 1 see below). Installation of all firebricks, skamol liners and smoke baffles should follow in the reverse order of the removal that is step 1 to 5.

WARNING:
DO NOT OPERATE INSERT WITHOUT
BAFFLE PLATES PROPERLY INSTALLED
OR WARRANTY WILL BE VOID.



6.4 Creosote Formation and the Need for Removal:

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow burning fire. As a result, creosote residue accumulates in the flue lining. When ignited this creosote makes an extremely hot fire.
The chimney connector and chimney should be inspected at least twice monthly during the heating season to determine if a creosote buildup has occurred. If creosote has accumulated it should be removed to reduce the risk of a chimney fire.

6.5 Door Glass:

A commercial glass cleaner designed for fireplace is recommended for cleaning the glass. The glass can also be cleaned as follows: Dip a moist cloth or old newspaper in the ashes and use this to clean the glass. Attention: The ashes should not get into contact with your skin! Wipe with a dry cloth. The ceramic door gasket cord must not get wet.

Be careful not to abuse the glass by striking or slamming the door shut.

Do not operate the fireplace with broken glass. If the glass breaks, then replace it promptly with original factory replacement ceramic glass.

Only use replacement gasket listed for the door and the glass.

6.5.1 Replacing Broken Door Glass:

The door must be removed from the insert before installing a new glass.

1. Loosen the set screw in the middle of the hinge bushings and push the hinge pins out of the bushings.
2. Place the door on a soft, protective surface.
3. Loosen the socket screws that hold the inside door frame. Remove the door frame and carefully remove the remainder of the old glass.

4. Clean the area where the glass and gasket are to be installed.
5. Install the new flat **self-adhesive** gasket on the edge of the inside surface of the outer door frame around the opening and cut off surplus gasket to make a tight joint.
   (The side with the adhesive adhere the gasket to the inside of the outer door frame).
6. Carefully place the glass on the outer door frame and install the inner door frame using the screws previously removed. Hold the parts together and install the screws only two turns. Install the flat part of the **P-gasket** oriented so it will fit between the outer door frame and the inner door frame. (When installing the P-gasket cord, use your fingers or a screwdriver to push the flat part of the gasket under the inner door frame. Make sure the gasket is not pushed in so far that the round part will not seal against the door opening of the stove.)
   Gradually and evenly tighten the inner door frame screws in an alternating pattern around the frame (enough to be sure the door gasket stays in place), then fully tighten the screws.
7. Carefully turn around the door and install the **tube gasket** between the glass and the outer door frame with your fingers.
8. Install the door on to the fireplace again in reverse order of disassembly (see under 1).
   Make sure to maintain the same distance between the door edges and the insert on both sides and that the door and the latch work properly.

6.6 Replacement part list:

Caution: Use only original SCAN DSA 4 replacement parts. Do not use substitute materials.

Description	Part Number
Glass Panel	223885
Gasket, Tadpole – 5.75 ft. Door Seal	223948
Gasket, .25 in. Rnd - 5 ft. / Interior Glass seal	129644
Gasket, Flat – 5 ft. / Exterior Glass seal	K5521200007
Door Latch Pawl	222805
Pin, Smoke Baffle Supports	223049
Upper Smoke Baffle w Edge Guard	157098
Lower Smoke Baffle	223888
Smoke Baffle Set, w/ support pins	157054
Side Panel, Skamol	223887
Rear Panel, Skamol	223889
Combustion Panel Set, Sides & Rear	157052
Bottom Fire Brick, L & R	223891
Bottom Fire Brick, Center	223890
Firebrick Set, Complete	157053
Primary Air Valve Kit, Black	157092
Primary Air Valve Kit, Gray	1157093
Replacement Door, Black	157046
Replacement Door, Black	157046
Surround Clip & Leg Levelers	157071

7.0 JØTUL N.A. WOOD-BURNING PRODUCT LIMITED WARRANTY

Effective February 1, 2010

This warranty policy applies to wood-burning products identified by Jøtul and Scan trade names, as set forth below.

A. Cast Iron, Enamel, and Steel Components:

Jøtul North America Inc. (JØTUL) warrants, to the original retail purchaser, that those components of the Jøtul or Scan Stove or Fireplace specified above will be free of defects in material and workmanship for a period of **five (5) years** from the date of purchase. This warranty is subject to the terms, exclusions and limitations set forth in the following text.

B. Electrical Components (blowers, thermostatic switches):

JØTUL warrants, to the original retail purchaser, that those components of the Jøtul or Scan Stove or Fireplace specified above will be free of defects in material and workmanship for a period of **one (1) year** from the date of purchase. This warranty is subject to the terms, exclusions, and limitations set forth in the following text

JØTUL will repair or replace (including parts & labor), at its option, any of the above components determined by JØTUL to be covered by this warranty. You must, at your own expense, arrange to deliver or ship the component to an authorized Jøtul or Scan dealer and arrange for pickup or delivery of the component after repairs have been made. If, upon inspection, JØTUL determines that the component is covered by this warranty, the repair or replacement will be made as set forth above. This warranty is not transferable and is extended only to, and is solely for the benefit of, the original retail purchaser of the Jøtul or Scan Stove or Fireplace. This paragraph sets forth the sole remedy available under this warranty in the event of any defect in the Jøtul or Scan Stove or Fireplace.

The warranty period for any replaced component will be the remaining unexpired portion of the warranty period for the original component.

Please retain your dated sales receipt in your records as proof of purchase.

EXCLUSIONS AND LIMITATIONS

NOTICE: This warranty is void if installation or service is performed by someone other than an authorized installer or service agency, or if installation is not in conformance with the installation and operating instructions contained in this owner's manual or local and/or national fire and building regulations. A listing of local authorized installers, service agencies and gas suppliers can be obtained from the National Fireplace Institute at http://www.nficertified.org/.

This warranty does not cover the following:

1) Repair or replacement of parts that are subject to normal wear and tear during the warranty period or to parts that may require replacement in connection with normal maintenance. These parts include paint, gaskets, burn plates, baffles, air manifolds, firebricks, fire grates, or glass (glass is only warranted against thermal breakage).
2) Damage due to incorrect installations not in conformance with the installation instructions contained in this owner's manual or local and/or national fire and building regulations.
3) Damage, including damage to enamel surfaces, caused by improper operation, over-firing, and/or misuse. Improper operation, such as burning the stove with the ash door open, can damage the stove. Over-firing occurs when any part of the stove glows red. Over-firing can also be identified by warped plates, rust-colored cast iron, paint pigment that has turned dusty white, or bubbling, cracking and discoloration of the enamel finish. Misuse includes, without limitation, use that is not in conformance with the operating instructions contained in this owner's manual.
4) Damage due to service performed by an installer or service agency, unless otherwise agreed to in writing by JØTUL.
5) Damage caused by unauthorized modification, use or repair.
6) Costs incurred by travel time and/or loss of service.
7) Labor or other costs associated with the repair of components beyond the warranty period.
8) Damage incurred while the Jøtul or Scan Stove or Fireplace is in transit.

IN NO EVENT SHALL JØTUL, ITS PARENT COMPANY, SHAREHOLDERS, AFFILIATES, OFFICERS, EMPLOYEES, AGENTS OR REPRESENTATIVES BE LIABLE OR RESPONSIBLE TO YOU FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR OTHER SIMILAR DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR DAMAGES TO A STRUCTURE OR ITS CONTENTS, ARISING UNDER ANY THEORY OF LAW WHATSOEVER. ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WRITTEN WARRANTY. EXCEPT AS EXPRESSLY SET FORTH HEREIN, JØTUL MAKES NO ORAL, WRITTEN OR OTHER WARRANTY WITH RESPECT TO JØTUL OR SCAN STOVES OR FIREPLACES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on the length of implied warranties. Therefore, the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

JØTUL reserves the right to discontinue, modify or change the materials used to produce the Jøtul or Scan Stove or Fireplace. JØTUL shall have the right to replace any defective component with substitute components determined by JØTUL to be of substantially equal quality and price.

The dollar value of JØTUL's liability for breach of this warranty shall be limited exclusively to the cost of furnishing a replacement component. JØTUL shall not in any event be liable for the cost of labor expended by others in connection with any defective component. Any costs or expenses beyond those expressly assumed by JØTUL under the terms of this warranty shall be the sole responsibility of the owner(s) of the Jøtul or Scan Stove or Fireplace.

No dealer, distributor, or other person is authorized to modify, augment, or extend this limited warranty on behalf of JØTUL. NO MODIFICATION OR CHANGE TO THIS WARRANTY WILL BE EFFECTIVE UNLESS IT IS MADE IN A WRITTEN DOCUMENT MANUALLY SIGNED BY AN AUTHORIZED OFFICER OF JØTUL.

An authorized installer may have been provided with certain information related particularly to the Jøtul or Scan Stove or Fireplace; however, no authorized installer or other person who may service the appliance is an agent of JØTUL. No inference should be made that JØTUL has tested, certified, or otherwise pronounced any person as qualified to install or service the appliance. JØTUL shall not be liable or otherwise responsible for any error or omission by a person installing or servicing a Jøtul or Scan Stove or Fireplace.

If you believe your Jøtul or Scan Stove or Fireplace is defective, you should contact your nearest authorized Jøtul or Scan dealer, who will process a warranty claim. IN ORDER TO QUALIFY FOR WARRANTY COVERAGE, JØTUL MUST RECEIVE NOTICE OF A POSSIBLE DEFECT WITHIN SIXTY (60) DAYS OF THE DATE THE DEFECT IS FIRST DISCOVERED, OR REASONABLY COULD HAVE BEEN DISCOVERED.

This warranty is given by Jøtul North America, Inc.,
55 Hutcherson Drive, Gorham, Maine 04038 USA

8. TROUBLESHOOTING

Smoke:

- Insufficient chimney draught!
- Check chimney height. Recommended height is minimum 15 feet.
- Check if the chimney has the right dimension.
- Check if the smoke pipe or chimney is blocked.
- Check if the chimney has the right height compared to the surroundings.
- Wood with too high moisture content.

The wood burns too fast:

- Are the air valves adjusted correctly according to the instructions?
- Is the baffle cassette placed correctly?

Soot on glass:

- Is the combustion air valve adjusted according to the instructions?
- Is the wood dry and well-seasoned?

Creosote in chimney:

- Incorrect operation – insufficient air available for complete combustion.
- Is the wood dry and well-seasoned?

The insert surface turns gray:

- Over-firing: refer to the maintenance section.
- Clean the surfaces.

The fireplace does not heat:

- The wood has a high moisture content which results in most of the heat energy being used to evaporate water. Use only wood seasoned at least one year.

Manufactured by
Jøtul North America, Inc.
55 Hutcherson Dr.
Gorham, Maine
For
Krog-Iversen& Co. A/S, DK-5492 Vissenburg
Denmark

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